

NONWOVEN LOOP MEMBER FOR A MECHANICAL FASTENER

ABSTRACT OF THE DISCLOSURE

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A loop member for a mechanical fastener comprises a nonwoven web, the nonwoven web having a pattern of intersecting bond lines. The pattern is characterized in that at least a portion comprises a first plurality of non-intersecting continuous bond lines and a second plurality of non-intersecting continuous bond lines, each non-intersecting continuous bond line of the first plurality intersecting each non-intersecting continuous bond line of the second plurality. The intersecting bond lines define unbonded pattern elements, each of the pattern elements being at least partially bounded by non-linear segments of the bond lines. The bond pattern for a nonwoven web is suitable for use as a loop member of a mechanical fastener. The bond pattern comprises intersecting bond lines having a uniform width and defining a number of bond pattern elements per unit area, wherein at least one of the bond lines is nonlinear, and wherein the ratio of contour to overall bonded area of the bond pattern is greater than a bond pattern comprising all straight lines having the same uniform line width and defining the same number of bond pattern elements per unit area.